




HINDALCO INDUSTRIES Ltd – BELAGAVI

We manufacture materials that make the world Greener, Stronger and Smarter

Hindalco Industries Limited


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Hindalco Overview




Aluminium & Copper

- 47 manufacturing units across 10 countries anchored by a 37,000 strong workforce
- World's largest aluminum company by revenue
- Serving core industry sectors of automotive, building & construction, electricals, packaging, among others
- Around 76% of total sales are outside India.
- One of the largest single-location copper smelters in the world with integrated port facilities.
- Catering to wire, cable, transformer industries. Also manufactures fertilizers and precious metals.



Hindalco's Chemicals (Specialty Alumina) Overview

- One of the leading manufacturer of Non-Metallurgical alumina in the World as a producer of Value-added Product & moving towards Super VAP.
- Two manufacturing sites in India i.e., Belagavi & Muri.
- Customers spread over nearly 42 countries across the globe
- Key market segments include Water treatment chemicals, ceramics, refractories, glass and abrasives.



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Belagavi Journey towards Green alumina



1970	2012	2021-22	2025
Steam plant installation -143 MT	Steam plant installation	Installed 33 TPH & 3.95 MW	9 MW Solar & 21 MW Wind –PO Placed
Fuel Used –LSHS/FO	143 MT 2012 Fuel Converted to NG	Bio Mass pant in 2022	Wind will be commissioning by Sep 2023 Solar will be commissioning by May 2024 PH#2–MSW/Biomass boiler/Electrical boiler

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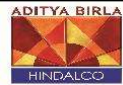
BIOMASS POWER PLANT

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33 TPH High pressure Boiler –Thermax(M/s TOESL)
3.95 MW Extraction cum Back pressure Turbine-Triveni

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Uniqueness of Project



First refinery plant operating with biomass cogeneration plant in ABG

Operating with 100% Agro waste (Carbon neutral fuel)

High efficiency reaction turbine with high back pressure model

Developing the local communities for fuel sourcing & ash utilization as fertilizer.

100% utilization condensate from the process

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Biomass Concept



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Agricultural waste always had the best potential for use as alternate fuel. However, the business being unorganized and undefined, there was no commercial use of the same until recently.

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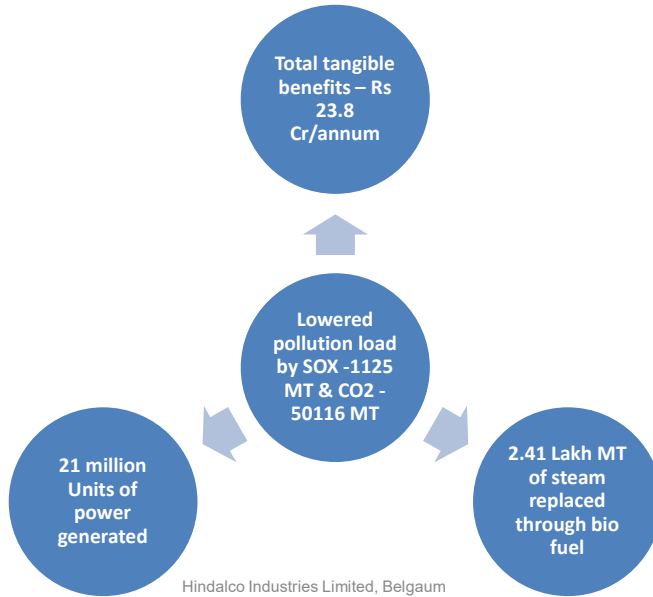
With new technologies developed in boilers, burning of such fuel has now become relatively simpler and has proved its worthiness in several industries.

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Sourcing of briquettes and briquetting industry is now streamlined and can accommodate the present industry requirements effectively and economically.

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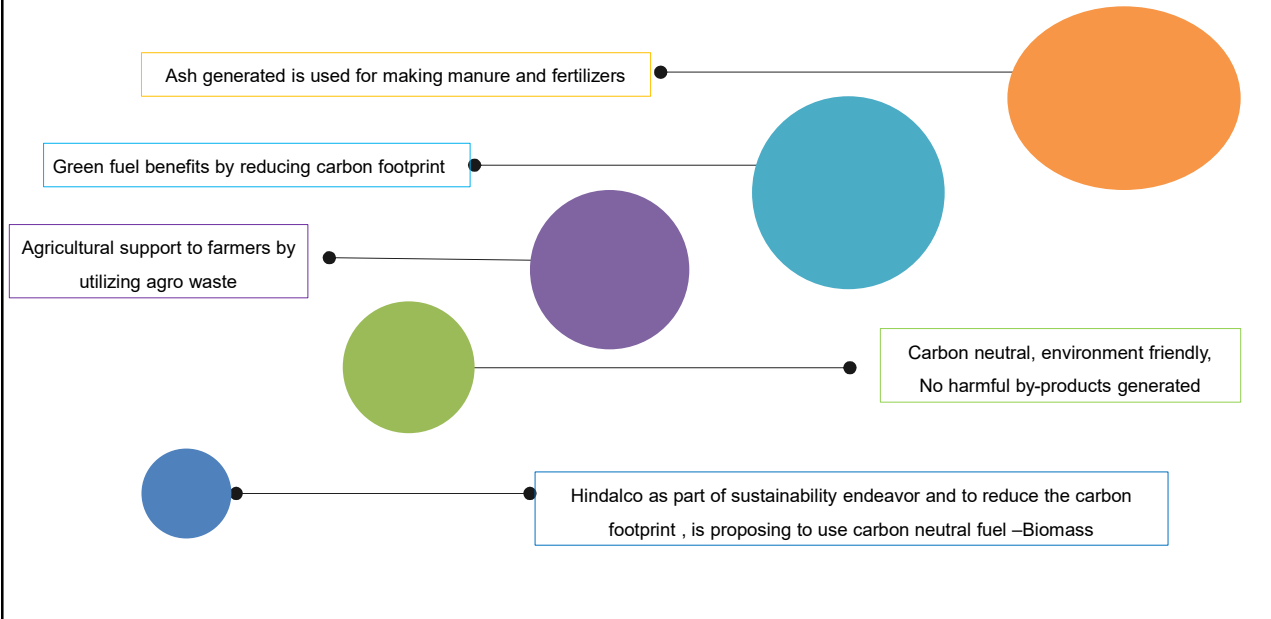
Tangible Benefits



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Intangible Benefits



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Challenges faced



Fuel price hiked due to market demand and new obligation from MOEF for power plants



Fuel supply continuity during monsoon

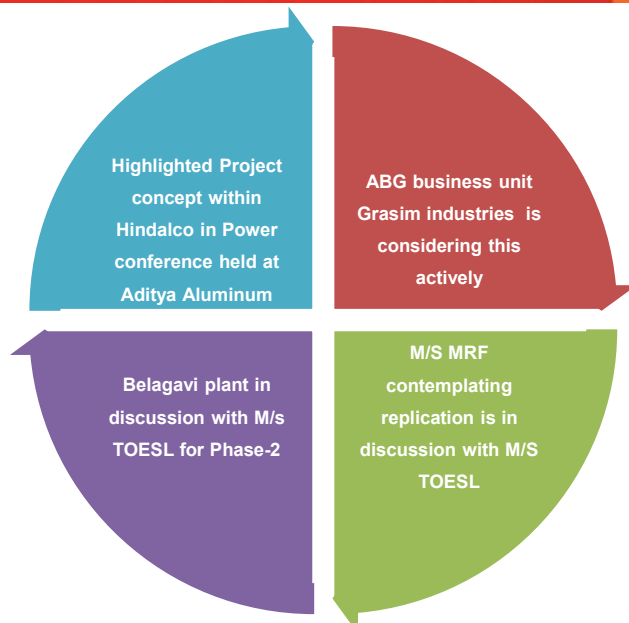


Restriction on usage of chlorine content biofuels



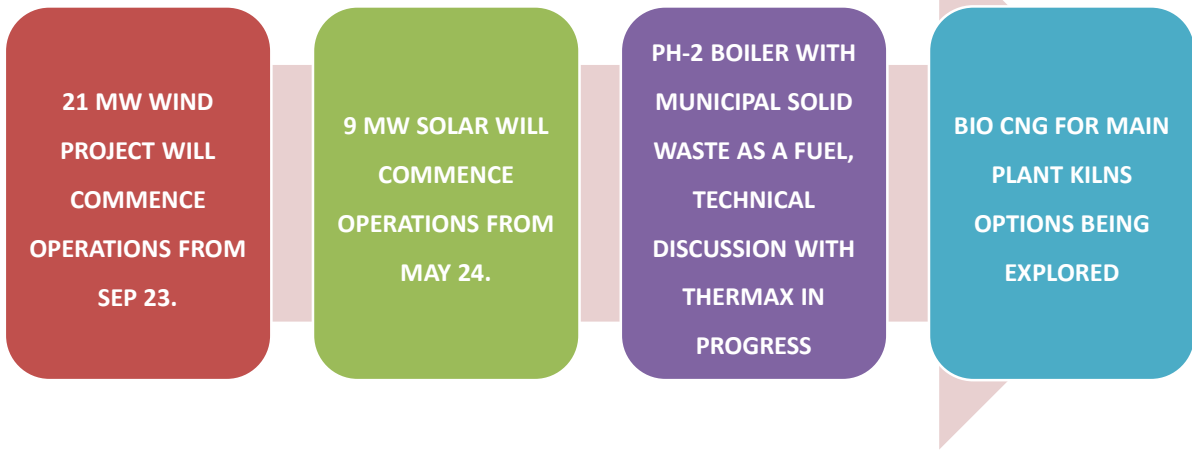
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Replication potential of project



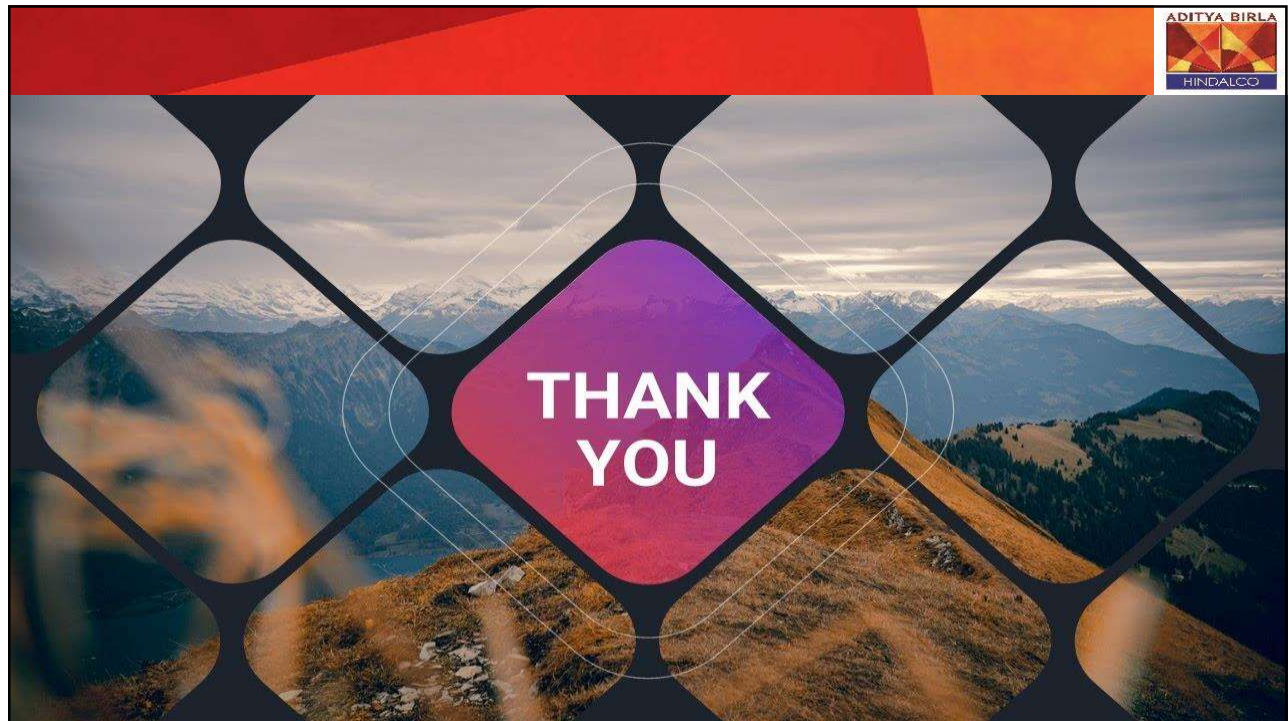
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Priority plan for Hindalco Belagavi unit



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